

Claims*Sub a*

1 Claim 1. An interface having means for presenting  
 2 items for selection by a user of a data processing  
 3 system, and having means for executing the selected  
 4 items, said interface comprising:

5 means for representing a plurality of interface  
 6 objects in an object database; and

7 means for dynamically associating different ones  
 8 of said interface objects into a plurality of logical  
 9 frame presentations based upon the data within each of  
 10 said different ones of said interface objects.

1 Claim 2. The interface of claim 1 wherein at least  
 2 one of said plurality of interface objects represent  
 3 at least one attribute of at least one system re-  
 4 source.

1 Claim 3. The interface of claim 1 wherein at least  
 2 two of the plurality of interface objects represent a  
 3 hierarchical relationship between components of the  
 4 data processing system based upon the data within each  
 5 of said at least two interface objects.

*a* 1 Claim 4. The interface of claim 1<sup>3</sup> wherein the inter-  
 2 face objects are dynamically associated according to  
 3 said hierarchical relationship represented within each  
 4 of said at least two interface objects.

*a* 1 Claim 5. The interface of claim 1 further comprising  
 2 means for managing of a screen presentation of the  
 3 objects and a user interaction with said objects based  
*interface*  
*interface*

a 4 upon ~~the~~ data within at least one of the plurality of  
5 interface objects.

1 Claim 6. The interface of claim 2 further comprising  
2 means for utilizing a current value of said at least  
3 one attribute of said at least one system resource for  
4 presentation to said user.

1 Claim 7. The interface of claim 2 further comprising  
2 means for utilizing at least one instance of at least  
3 one of said system resources for presentation to said  
4 user for informing said user of an availability of  
5 said instance of said system resource.

1 Claim 8. The interface of claim 7 further comprising  
2 means for allowing the user to select said instance of  
3 said system resource presented to said user.

1 Claim 9. The interface of claim 2 further comprising  
2 means for utilizing a current value of said at least  
3 one attribute of said at least one system resource for  
4 a validation of a user response.

a Sub B' 1 Claim 10. The interface of claim 1 further comprising  
2 means for constructing a command by associating at  
3 least one user input value with an option within said  
4 at least one of said interface objects.

a 1 Claim 11. The interface of claim 10 further comprising  
2 means for executing said ~~constructed~~ command.

c 1 Claim 12. The interface of claim 11 further comprising  
2 means for logging said ~~executed~~ command for later  
3 reexecution.

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1 Claim 13. The interface of claim 1 further comprising  
2 means for constructing and executing a command based  
3 on a current state of said data processing system, a  
4 plurality of user selections, and ~~the~~ data within said  
5 interface objects.

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1 Claim 14. The interface of claim 1 further comprising  
2 means for retrieving said objects from said <sup>interface</sup> ~~object~~  
3 database in response to said user selected item.

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1 Claim 15. The interface of claim 1 further comprising  
2 means for iteratively presenting said interface  
3 objects to said user dependent upon a plurality of  
4 user selections and ~~said~~ data within said interface  
5 objects.

1 Claim 16. The interface of claim 1 further comprising  
2 means for accessing at least one interface object from  
3 a plurality of screen presentations.

1 Claim 17. The interface of claim 1 further comprising  
2 means for accessing at least one screen presentation  
3 from a plurality of interface objects.

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1 Claim 18. The interface of claim 1 further comprising  
2 means for altering the ~~interface~~ object database from  
3 within the interface during a session of execution of  
4 said interface, and means for reflecting <sup>on</sup> ~~said~~ altered  
5 interface during ~~said~~ <sup>a</sup> same session of execution of  
6 said interface.

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1 Claim 19. The interface of claim 1 further comprising  
2 means for altering said ~~interface~~ object database by  
3 creating at least one new interface object.

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1 Claim 20. The interface of claim 3 further comprising  
2 means for directly entering said ~~hierarchy~~ *hierarchical relationship by entering* of inter-  
3 face objects at at least one of a plurality of loca-  
4 tions within said hierarchy.

1 Claim 21. The interface of claim 1 further comprising  
2 means for displaying said logical frame presentations  
3 by a plurality of graphical libraries.

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1 Claim 22. The interface of claim 1 further comprising  
2 means, within said interface ~~data~~ objects, for repre-  
3 senting said items in said logical frame presentation  
4 in at least one of a plurality of ways dependent upon  
5 a graphical context.

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1 Claim 23. The interface of claim 1 further comprising  
2 means, within said interface ~~data~~ objects, for repre-  
3 senting said items in said logical frame presentation  
4 in at least one of a plurality of ways dependent upon  
5 a linguistic context.

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1 Claim 24. The interface of claims 1 further comprising  
2 means for accessing a screen library having means for  
3 indicating to said user a number of said items in said  
4 logical frame presentation currently outside of a  
5 visual screen presentation to said user.

1 Claim 25. The interface of claim 1 further comprising  
2 means for providing at least one logical frame presen-  
3 tation dependent upon at least one access control  
4 policy applied to said plurality of interface objects.

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1 Claim 26. A method for presenting items for selection  
2 by a user of a data processing system, said method  
3 comprising:

4 representing a plurality of interface objects in  
5 an object database; and

6 dynamically associating different ones of said  
7 interface objects <sup>with</sup> ~~into~~ a plurality of logical frame  
8 presentations based upon ~~the~~ data within each of said  
9 different ones of said interface objects.

*a*  
1 Sub B<sup>27</sup> Claim 27. A computer program having means for present-  
2 ing items for selection by a user of a data processing  
3 system, said computer program comprising:

4 means for representing a plurality of interface  
5 objects in an object database; and

*a*  
6 means for dynamically associating different ones  
7 of said interface objects <sup>with</sup> ~~into~~ a plurality of logical  
8 frame presentations based upon ~~the~~ data within each of  
9 said different ones of said interface objects.